# **TFT LCD MONITOR**

# **USER MANUAL**

LCD104AV/AS/AK \ LCD121AV LCD140AV \ LCD150AV-1/-3 LCD150AV-1D/-3D LCD170AV -1/- 2 \ LCD170AV-1D/-2D LCD201AV \ LCD200AV/-1D





#### **WARNING:**

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

#### **CAUTION:**



#### **Explanation of Graphical Symbols**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

#### **Precautions**

#### Safety-----

Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

Unplug the unit from the wall outlet if it is not going to be used for several days or more. Todisconnect the cord, pull it out by the plug. Never pull the cord itself.

Allow adequate air circulation to prevent internal heat built-up. Do not place the unit on surfaces(rugs, blankets, etc.) or near materials (curtains,draperies) that may block the ventilation holes.

#### Installation-----

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust or mechanical vibration.

The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

#### Cleaning-----

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.

# **Safety Precautions**

# Federal Communications Commission (FCC) Statement

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- You are cautioned that changes or modifications not expressly approved by that party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received including interference that may cause undesired

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#### LCD104AV/AS/AK

- Compatible with VGA (640 x 480).SVGA(800x600). XGA (1280x1024)
- Automatic or manual detection of separate synchronize and composite synchronize of SVGA/VGA signal.
- 2 CH Composite video, IN/OUT, Y/C and D-sub Connector)
- LCD104AV High brightness of 400 cd/m²
- LCD104AS/AK High brightness of 350 cd/m²
- High contrast.
- High quality Horizontal and Vertical Scaling with 2D De-interlacing for Display
- 2 CH AVDIO, IN/OUT.
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W speaker.
- Support IR remote controller.
- VESA standard (100mm x 100mm) bracket.
- Wall mountable capability.
- User Friendly OSD.
- Wide Viewing Angle.
- CH-LCD 104AS:VGA (640 x 480)only.

#### LCD121AV

- Compatible with VGA (640 x 480).SVGA(800x600)
- Support vertical refresh rate up to 75 Hz for SVGA/VGA, of VESA standard specification.
- Automatic or manual detection of separate synchronize and composite synchronize of SVGA/VGA signal
- 12.1-inch LCD monitor with multiple inputs. (Composite video, Y/C and D-sub computer)
- High brightness of 450 cd/m²
- High contrast.
- High quality Horizontal and Vertical Scaling with 2D De-interlacing for Display
- Fast LCD response time: Tr:10ms Tf:25ms(Typ)
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W speaker.
- Support IR remote controller.
- VESA standard (100mm x 100mm) bracket.
- Wall mountable capability.

#### LCD140AV

- Compatible with VGA (640 x 480)
- Support vertical refresh rate up to 75 Hz for VGA.
- Automatic or manual detection of separate synchronize and composite synchronize of VGA signal
- 14-inch LCD monitor with multiple inputs. (Composite video, Y/C and D-sub computer)
- High brightness of 450 cd/m²
- High contrast 500:1.
- High quality Horizontal and Vertical Scaling with 2D De-interlacing for Display
- Wide viewing of 170°, vertical and horizontal.
- Fast LCD response time of 25ms.
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W+2W speaker.
- Support IR remote controller.
- VESA standard (100mm x 100mm) bracket.
- Wall mountable capability.

#### LCD150AV-1/-3,LCD150AV-1D/-3D

- Compatible with VGA (640 x 480), SVGA (800 x 600).XGA(1024x768)
- Support vertical refresh rate up to 75 Hz for VGA, SVGA.XGA
- Automatic or manual detection of separate synchronize and composite synchronize of VGA signal
- 15-inch LCD monitor with multiple inputs. (Composite video, Y/C and D-sub computer)
- LCD150AV-1 High brightness of 250 cd/m²
   LCD150AV-3 High brightness of 400 cd/m²
- LCD150AV-1D/-3D with 3D comb Filter.
- High contrast 400:1.
- High quality Horizontal and Vertical Scaling with 2D De-interlacing for Display
- Wide viewing of 120°, vertical and horizontal.
- Fast LCD response time of 12ms.
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W+2W speaker.
- Support IR remote controller.
- VESA standard ( 100mm x 100mm ) bracket.
- Wall mountable capability.

#### LCD170AV-1/-2,LCD170AV-1D/-2D

- Compatible with VGA (640 x 480), SVGA (800 x 600). XGA(1024x768). SXGA(1280x1024)
- Support vertical refresh rate up to 75 Hz for VGA, SVGA.XGA.(SXGA 60HZ)
- Automatic or manual detection of separate synchronize and composite synchronize of VGA signal
- 17-inch LCD monitor with multiple inputs. (Composite video, Y/C and D-sub computer)
- LCD170 High brightness of 300 cd/m²
- LCD170 High brightness of 400 cd/m²
- LCD170AV-1D/-2D with 3D comb filter
- High contrast 500:1.
- High quality Horizontal and Vertical Scaling with 2D De-interlacing for Display
- Wide viewing of 130°, vertical and 140° horizontal.
- Fast LCD response time of 8ms.
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W+2W speaker.
- Support IR remote controller.
- VESA standard (100mm x 100mm) bracket.
- Wall mountable capability.

#### LCD200AV,LCD200AV-1D

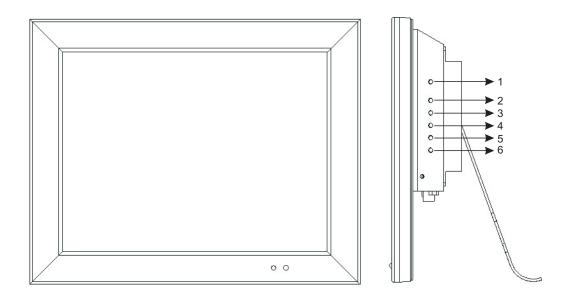
- Compatible with VGA (640 x 480), SVGA (800 x 600).
- Support vertical refresh rate up to 75 Hz for VGA, SVGA of VESA standard specification.
- Automatic or manual detection of separate synchronize and composite synchronize of VGA signal
- 20-inch LCD monitor with multiple inputs. (Composite video, Y/C and D-sub computer)
- High brightness of 450 cd/m²
- LCD200AV-1Dwith3D comb filter
- High contrast.
- High quality Horizontal and Vertical Scaling with 2D De-interlacing for Display
- Wide viewing of 140°, vertical and 160° horizontal.
- Fast LCD response time of 16ms.
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W+2W speaker.
- Support IR remote controller.
- VESA standard ( 100mm x 100mm ) bracket.
- Wall mountable capability.

#### LCD201AV

- Compatible with VGA (640 x 480), SVGA (800 x 600).
- Support vertical refresh rate up to 75 Hz for VGA, SVGA.
- Automatic or manual detection of separate synchronize and composite synchronize of VGA signal
- 20-inch LCD monitor with multiple inputs. (Composite video, Y/C and D-sub computer)
- High brightness of 450 cd/m²
- High contrast.
- Wide viewing of 140°, vertical and 160° horizontal.
- Fast LCD response time of 16ms.
- Support 6500°K / 9300°K Color temperature selection.
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W+2W speaker.
- Support IR remote controller.
- VESA standard (100mm x 100mm) bracket.
- Wall mountable capability.
- 3D-Comb fitter

# **Operating Instructions-Control**

(LCD104AV/AS \ LCD121AV)



#### 1. Power

Monitor power ON / OFF. At OFF mode, monitor will be at standby status.

LED-Green Light -- Power On Red Light -- Standby mode

# 2. 3. Adjust <> / <>

Increase or decrease the value on OSD menu.

- Increase value on the OSD Menu or turn ON / OFF function.
- Decrease value on the OSD Menu or turn ON / OFF function.

#### 4. Item

Chose sub menu from Audio / Video. Press again to enter selected option.

#### 5. Menu

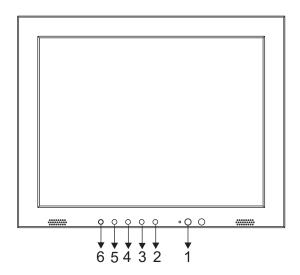
OSD menu ON / OFF control.

#### 6. Source

Select input signal from AV1, AV2, S-Video or PC.

# **Operating Instructions**

(LCD140AV \ LCD150AV-1/-3/-1D/-3D \ LCD170AV-1/-2/-1D/-2D \ LCD200AV \ LCD200AV-1D \ LCD201AV)



#### 1. Power

Monitor power ON / OFF. At OFF mode, monitor will be at standby status.

LED-Green Light -- Power On Red Light -- Standby mode

# 2. 3. Adjust <> / <>

Increase or decrease the value on OSD menu.

- Increase value on the OSD Menu or turn ON / OFF function.
- Decrease value on the OSD Menu or turn ON / OFF function.

#### 4. Item

Chose sub menu from Audio / Video. Press again to enter selected option.

#### 5. Menu

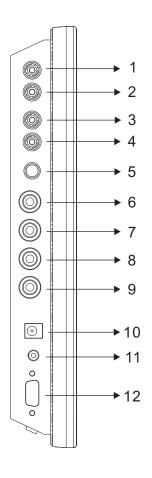
OSD menu ON / OFF control.

#### 6. Source

Select input signal from AV1, AV2, S-Video or PC.

### Connections

### (LCD104AV/AS \ LCD121AV)



- 1 AUDIO 2 OUT
  Audio looping outputs for AUDIO 2
- 2 AUDIO 2 IN

  Audio Signal Input, this input
  is for AV2, PC or Y/C (refer to Note below)
- 3 AUDIO 1 OUT
  Audio looping outputs for AUDIO 1
- **4 AUDIO 1 IN**Audio Signal Input, this input is for AV1
- 5 Y/C IN(S-Video)
  Y/C separated signal Input
- 6 VIDEO 2 OUT
  Video looping output for VIDEO 2
- 7 VIDEO 2 IN Composite signal Input for VIDEO 2
- 8 VIDEO 1 OUT
  Video looping output for VIDEO 1
- 9 VIDEO 1 IN Composite signal Input for VIDEO1
- 10 Regulated DC12V Power Input
- 11 AUDIO LIVE OUT
- 12 PC VGA IN

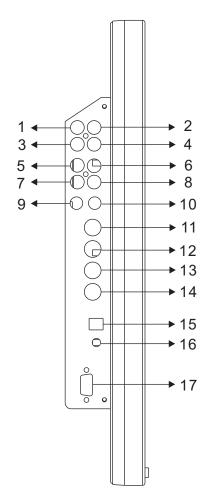
#### NOTE:

#### Connections of Audio

	Audio 1	Audio 2
PC		<b>V</b>
AV1	V	
AV2		V
S-Video		V

### **Connections**

(LCD140AV \ LCD150AV-1/-3/-1D/-3D \ LCD170AV-1/-2/-1D/-2D \ LCD200AV \ LCD201AV \ LCD200AV/-1D)



#### NOTE:

#### Connections of Audio

	Audio 1	Audio 2
PC		<b>V</b>
AV1	V	
AV2		V
S-Video		V

- 1,2 AUDIO 2 OUT (L,R)
  Audio looping outputs for AUDIO 2
- 3,4 AUDIO 2 IN (L,R)
  Stereo Audio Signal Input, this input is for AV2, PC or Y/C (refer to Note below)
- 5,6 AUDIO 1 OUT (L,R) Audio looping outputs for AUDIO 1
- 7,8 AUDIO 1 IN (L,R)
  Stereo Audio Signal Input, this input is for AV1
- 9 Y/C IN (S-Video)
  Y/C separated signal input
- 10 Y/C OUT (S-Video)
  Y/C separated signal looping output
- 11 VIDEO 2 OUT
  Video looping output for VIDEO 2
- 12 VIDEO 2 IN

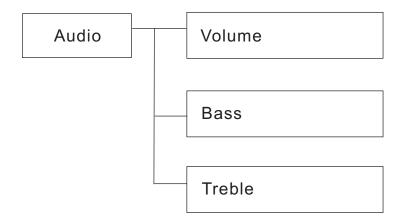
  Composite signal Input for VIDEO 2
- 13 VIDEO 1 OUT
  Video looping output for VIDEO 1
- 14 VIDEO 1 IN

  Composite signal Input for VIDEO1
- 15 Regulated DC12V Power Input (500mA)
- 16 AUDIO LIVE OUT(Stereo)
- 17 PC VGA IN

### **OSD Architecture**

#### A. Audio Function

(LCD-104AV/AS \ LCD-121AV \ LCD140AV \ LCD150AV-1/-3 \ LCD150AV-1D/-3D \ LCD170AV-1D/-2D \ LCD170AV-1/-2 \ LCD200AV \ LCD200AV-1D)



Press the MENU button to bring up the OSD Menu.

Press <> ⟨> to select AUDIO. Then, press ITEM to choose functions that require adjustments.

As shown, press <> ⇒ key to adjust.

Note: In remote control, press  $\bigcirc_{\mathsf{Up}}^{\bigcirc}\bigcirc_{\mathsf{Down}}^{\bigcirc}$  key to adjust.

(After adjustment, the monitor will store new settings)

#### Volume

Controls built-in speakers' output volumes.

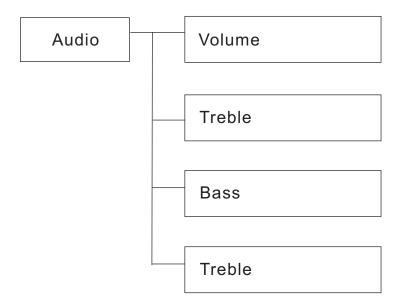
#### **Bass**

Audio bass adjustment.

#### **Treble**

Audio treble adjustment.

### A. Audio Function (LCD201AV)



Press the MENU button to bring up the OSD Menu.

Press "MENU" button to select AUDIO. Then, press ITEM to choose functions that require adjustments.

As shown, press  $\diamondsuit$  key to adjust.

Note: In remote control, press  $\bigcirc$   $\bigcirc$   $\bigcirc$  bown key to adjust.

(After adjustment, the monitor will store new settings)

#### Volume

Controls built-in speakers' output volumes.

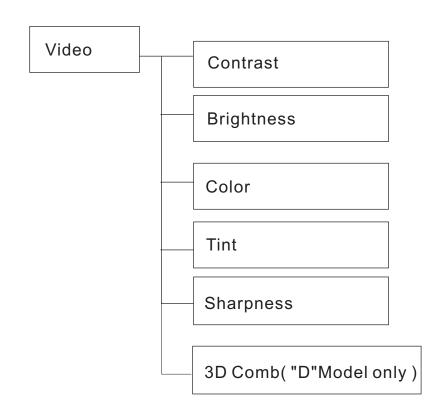
#### **Bass**

Audio bass adjustment.

#### Treble

Audio treble adjustment.

B. Video Function (LCD-104AV/AS \ LCD-121AV \ LCD140AV \ LCD150AV-1/-3/-1D/-3D \ LCD170AV-1/-2/-1D/-2D \ LCD200AV \ LCD200AV/-1D )



Under AV1, AV2, S-Video mode:

Press the MENU button to bring up the OSD Menu.

Press  $\Leftrightarrow$  to select VIDEO. Then, press ITEM to choose functions that require proper adjustments.

As shown, press  $\diamondsuit$  key to adjust.

Note: In remote control, press  $\bigcirc_{\mathsf{Up}}^{\bigcirc}\bigcirc_{\mathsf{Down}}^{\bigcirc}$  key to adjust.

(After adjustment, the monitor will store new settings)

#### Contrast

Permits adjustment for contrast between light or dark areas of the picture.

Setting Slide bar

### **Brightness**

Adjusts the overall picture shade and brightness.

Tip: Use the Brightness to make details in the dark areas of the picture to be just visible, and Contrast to "brighten" the picture without causing noises and foreheads to turn white.

#### Color

Adds coloring to the black and white picture content (of a color signal), and is usually set for viewer's preference in color saturation.

#### TINT

Adjust all the colors on the screen, but is most noticeable to the eye in reds and yellows, and is also usually set for pleasing face tones.

Note: Appears in NTSC mode only.

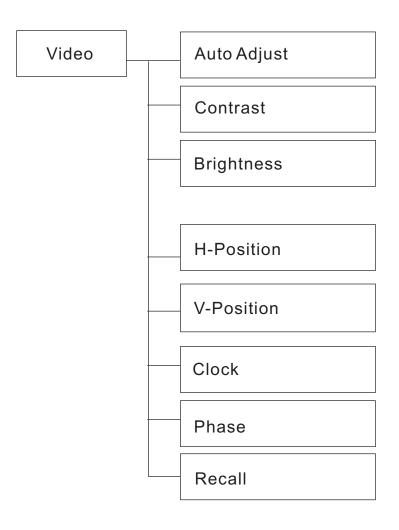
#### **Sharpness**

Sets the desired sharpening enhancement to the picture.

# 3D Comb ("D"Model only)

Sets the desired comb filter function to ON or OFF...

C. Video Function (PC Mode Only) (LCD-104AV/AS \ LCD-121AV \ LCD140AV \ LCD150AV-1/-3 \ LCD150AV-1D/-3D \ LCD170AV-1/-2 \ LCD170AV-1D/-2D \ LCD200AV \ LCD200AV/-1D)



Under Image mode:

Press the MENU button to bring up the OSD Menu.

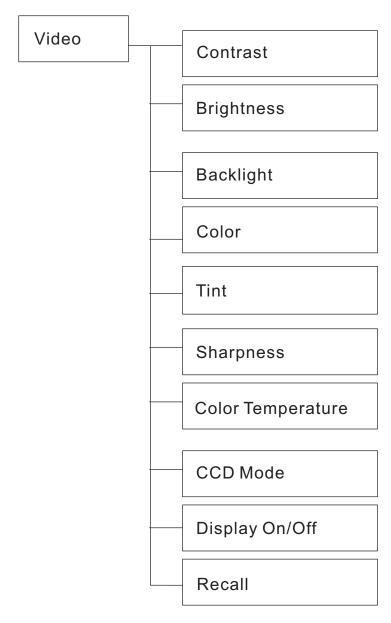
Press < ⇒ again to select IMAGE. Then, press ITEM to choose functions that require proper adjustments.

As shown, press  $\Leftrightarrow$  key to adjust.

Note: In remote control, press  $\bigcup_{Up}^{\bigcirc} \bigcup_{Down}^{\bigcirc}$  key to adjust.

(After adjustment, the monitor will store new settings)

# B. Video Function(AV1,AV2,S-Video Mode) (LCD201AV)



Under AV1, AV2, S-Video mode:

Press the MENU button to bring up the OSD Menu.

Press MENU button to select VIDEO. Then, press ITEM to choose functions that require proper adjustments.

As shown, press <> ▷ key to adjust.

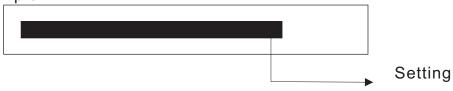
Note: In remote control, press 🔘 💸 key to adjust.

(After adjustment, the monitor will store new settings)

#### Contrast

Permits adjustment for contrast between light or dark areas of the picture.

Example:



Slide bar

#### **Brightness**

Adjusts the overall picture shade and brightness.

Tip: Use the Brightness to make details in the dark areas of the picture to be just visible, and Contrast to "brighten" the picture without causing noises and foreheads to turn white.

#### Color

Adds coloring to the black and white picture content (of a color signal), and is usually set for viewer's preference in color saturation.

#### TINT

Adjust all the colors on the screen, but is most noticeable to the eye in reds and yellows, and is also usually set for pleasing face tones.

Note: Appears in NTSC mode only.

#### **Sharpness**

Sets the desired sharpening enhancement to the picture.

#### **Color Temperature**

Selects color temperature of either 6500°K or 9300°K.

#### **CCD Mode**

If video signal source directly comes from CCD camera, using CCD Mode is suggested to obtain better picture performance.

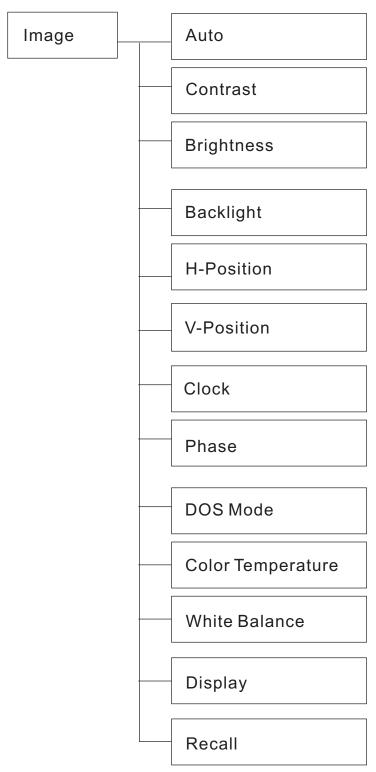
#### Display

Displays video source title.

#### Recall

Sets monitor to the original factory setting.

# C. Image Function (PC Mode Only) (LCD201AV)



Under Image mode:

Press the MENU button to bring up the OSD Menu.

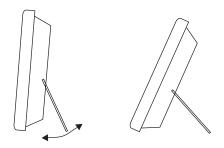
Press MENU again to select IMAGE. Then, press ITEM to choose functions that require adjustments.

As shown, press  $\Leftrightarrow$  key to adjust.

# **LCD** monitor Mounting Guide

# A. Desktop

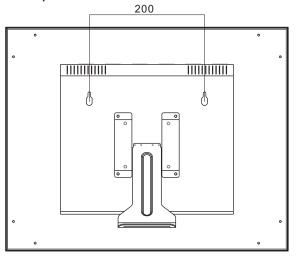
Adjust the viewing angle of LCD to fit most comfortable monitoring status.



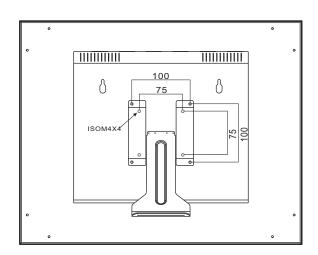
### B. Wall mount

Free your space with wall mount design.

Please follow the fix-hole size in back panel to install the LCD to the wall.

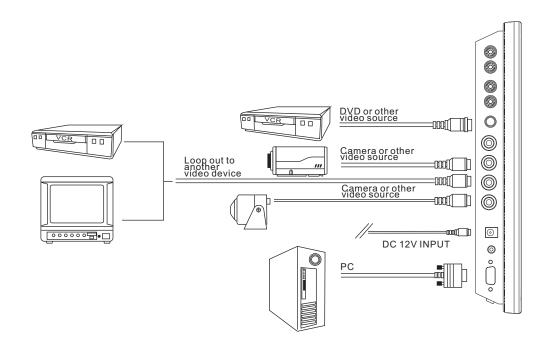


### C. VESA Bracket



# **Connecting Device**

# (LCD-104AV/AS \ LCD-121AV)

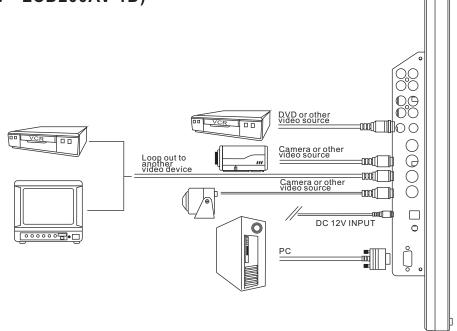


- a. Connect PC to Monitor through VGA connector as shown on the above picture
- b. Connect External device such as DVD or Game Player to Monitor as shown on the above picture
- c. Connect CCD Camera 1 and 2 to Monitor through Video Input 1 and 2 (BNC Connect) as showing on the above picture
- D. Support Resolution

640 x 480 60Hz	800 x 600 60Hz	1024 x 768 60Hz
640 x 480 72Hz	800 x 600 72Hz	1024 x 768 72Hz
640 x 480 75Hz	800 x 600 75Hz	1024 x 768 75Hz
CH-LCD104AS only	CH-LCD104AV only	CH-LCD104AK only

# **Connecting Device**

(LCD140AV \ LCD150AV-1/-3/-1D/-3D \ LCD170AV-1/-2/-1D/-2D \ LCD200AV \ LCD201AV \ LCD200AV-1D)



- a. Connect PC to Monitor through VGA connector as shown on the above picture
- b. Connect External device such as DVD or Game Player to Monitor as shown on the above picture
- c. Connect CCD Camera 1 and 2 to Monitor through Video Input 1 and 2 (BNC Connect) as showing on the above picture
- D. Support Resolution:

#### LCD140AV

640 x 480	60Hz
640 x 480	72Hz
640 x 480	75Hz

#### LCD150AV-1/-3/-1D/-3D

640 x 480 60Hz	800 x 600 56Hz	1024 x 768 60Hz
640 x 480 72Hz	800 x 600 70Hz	1024 x 768 70Hz
640 x 480 75Hz	800 x 600 72Hz	1024 x 768 75Hz
	800 x 600 75Hz	

#### LCD170AV-1/-2/-1D/-2D

640 x 480 60Hz	800 x 600 56H	Hz 1024 x 768 60Hz
640 x 480 72Hz	800 x 600 70F	lz 1024 x 768 70Hz
640 x 480 75Hz	800 x 600 72F	lz 1024 x 768 75Hz
	800 x 600 75H	1z 1280 x 1024 60Hz

#### LCD200AV/LCD200AV-1D

640 x 480	60Hz	800 x 600	56Hz
640 x 480	72Hz	800 x 600	70Hz
640 x 480	75Hz	800 x 600	72Hz
		800 x 600	75Hz

# Specification

Model		CH-LCD104AV	CH-LCD104AS	CH-LCD104AK	CH-LCD104AK-3	CH-LCD121AV
LCD Panel		10.4" TFT			12.1" TFT	
Display area	(mm)	211.2 x	( 158.4	210.432 x 157.824	211.2 x 158.4	246 x 184.5
Resolution		800x 600	640x 480	1024	x 768	800x 600
Brightness		400cd/m² @6mA	300cd/m² @6mA	350cd/m² @6mA	300cd/m² @6mA	450cd/m² @6mA
Contrast Rat	io	500:1 typ.	300:1 typ.	500:	1 typ.	500:1 typ.
Response Ti	me	Tr:10ms tf:25ms	Tr:20ms tf:40ms	Tr:20ms tf:20ms	Tr+tf:25ms	Tr:10ms tf:25ms
View angle	L/R	60(left),60(right)	70(left),70(right)	89(left),89(right)	70(left),70(right)	70(left),70(right)
	U/D	40(up),60(down)	40(up),70(down)	89(up),89(down)	60(up),60(down)	50(up),60(down)
Audio In/Out		1.0 Vp.p Composite ————————————————————————————————————				
Operating		OSD				
Power Suppl	у	AC 96~256V 50/60Hz				
Power Consumption		13.2W				
Dimension		266.2x213.3x56				
Weight		2kg				
Temperature		0~50℃ -10~60℃				
Humidity		20%~80%				
•				20%~80%		

# Specification

Model		LCD140AV	LCD15	LCD150AV		70AV	
			-1/-1D	-3/-3D	-1/-1D	-2/-2D	
LCD Panel		14" TFT LCD	15" TFT LCD		17" TFT LCD		
Display Cold	ors	16.2 M	26	M	16	6.2 M	
Display area	a .	283.2 x 212.4mm	304.128 x 22	28.096mm	337.92 x 2	270.336mm	
Resolution		640x 480 (VGA)	1024x 76	88 (XGA)	1280x 10	24 (SXGA)	
Brightness		450cd/m² @6mA	<b>250cd/</b> m³	<b>400cd/</b> m <sup>2</sup>	<b>300cd/</b> m²	$400cd/m^2$	
Contrast Ra	tio	500:1 typ.	500:1	typ.	50	0:1 typ.	
Response T	ime	25ms	12 ms	` ,	8ms( <sup>-</sup>	Γr+tf)	
View angle	L/R	±85°	±80	)°	±7	70°	
	U/D	±85°	±80 (up)/5	5 (Down)	±70°(up)/7	′0 <sup>°</sup> (Down)	
Comb Filter		2D	2D/3D	2D/3D	2D/3D	2D/3D	
Input Signal		1.0 Vp-p Composite BNCx2 Input					
		BNC x 2 Output (Auto Termination)					
		VGA	——— D-Su	b 15Pin Input			
		S-Video —	4 Pin	Min Din x 1 Inpu	t		
			L 4 Pin	Min Din x 1 Outp	out		
Audio In/Ou	ıt		RCA(R/L) x 2 s	et Input			
		F	RCA(R/L) x 2 se	t Output 2Wx2W	//8ohm		
Operating		Power ON/OFF OSD Control Function					
Power Supp	ly	W/Power Ada	W/Power Adapter In: AC 96~260V/50/60Hz Out:DC12V 5A				
Power Consumption		30W	20W		30	30W	
Dimension		366x295x66.8	385x310x80		420x350x80		
Weight		4.6kg	4.6kg 4.2kg 5.7kg				
Temperature		-10~60℃					
Humidity		20%~80%					

# Specification

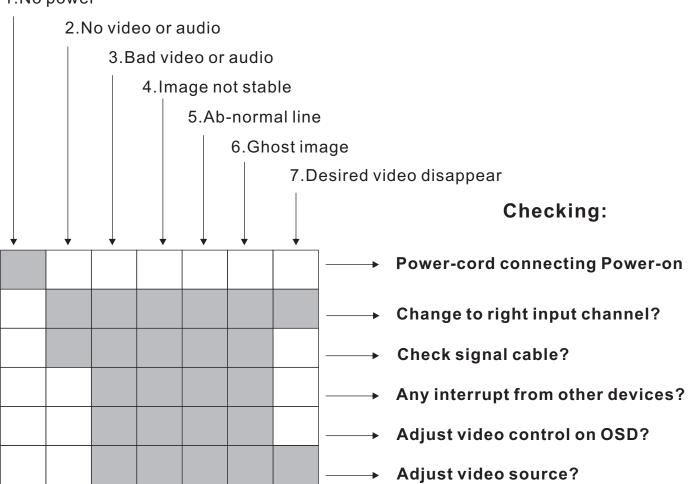
Model		LCD200AV LCD200AV-1D LCD201AV			
LCD Panel		20" TFT			
Level		TV			
Comb Filte	r	2D	2D 3D Comb filter		
Display are	a		408 x 306mm		
Resolution			800x 600		
Brightness			450cd/m² @6m.	A	
Contrast Ra	atio		500:1 typ.		
Response 1	Time		16ms		
View angle	L/R		80(left),80(righ	t)	
_	U/D		80(up),60(dow	n)	
Input Signa	I	1.0 Vp-p (	Composite <sub>T</sub> BNCx2 Inpu	t	
			BNC x 2 Out	put (Auto Termination)	
		VGA — D-Sub 15Pin Input			
		S-Video — 4 Pin Min Din x 1 Input			
		4 Pin Min Din x 1 Output			
Audio In/O	ut	RCA(R/L) x 2 set Input			
		RCA(R/L) x 2 set Output			
Operating			OSD		
Power Supp	olv	W/Power Adapter In: AC 96~260V/50/60Hz Out:DC12V 5/			
Power Cons		45W			
Dimension		420x406.5x85.2			
Weight			6.8kg		
Temperatur	·e	-10~60°C			
Humidity		20%~80%			

# **Appendixes**

#### A. TROUBLE SHOOTING

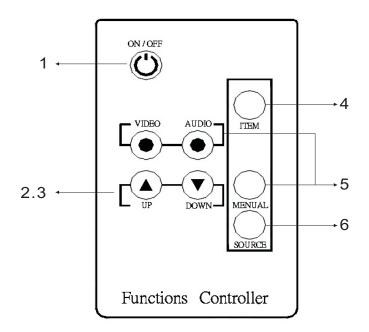
# **Problem:**

1.No power



# Package List

Α.	LCD Monitor	x 1
В.	Power Cord	x 1
C.	Accessory Kit	
	a.DB15-DB15 VGA Cable x1	x 1
	b.1/8" male to 1/8" male audio cable	x 1
D.	User Manual	x 1
E.	12V Power Adapter	x 1
F.	Remote Control	x 1



#### 1. Power

Monitor power ON / OFF. At OFF mode, monitor will be at standby status.

LED- Green Light -- Power On Red Light -- Standby mode

# 2. 3. Adjust $\wedge$ / $\nabla$

Increase or decrease the value on OSD menu.

- riangle Decrease value on the OSD Menu or turn ON / OFF function.

#### 4. Item

Chose sub menu from Audio / Video . Press again to enter selected option

#### 5. Menu

VIDEO/AUDIO control.

#### 6. Source

Select input signal from AV1, AV2, S-Video or PC.